| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|---|---|---------------------|---------|------------------|
| L1 | 7 | (teq or (time near domain near equalizer)) and (feq or (frequency near domain near equalizer)) and fft and (deinterleav\$3) and (decod\$3) and ((adc or (analog near digital near filter)) same (digital near filter)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 11:55 |
| L2 | 7 | (teq or (time near domain near equalizer)) and (feq or (frequency near domain near equalizer)) and fft and (deinterleav\$3) and (decod\$3) and ((adc or (analog near digital near filter)) same (digital near filter)) and (despread\$3 or correlat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 12:00 |
| L3 | 0 | (teq or (time near domain near equalizer)) and (feq or (frequency near domain near equalizer)) and fft and (deinterleav\$3) and (decod\$3) and ((adc or (analog near digital near filter)) same (digital near filter)) and (despread\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 12:01 |
| L4 | 7 | (teq or (time near domain near equalizer)) and (feq or (frequency near domain near equalizer)) and fft and (deinterleav\$3) and (decod\$3) and ((adc or (analog near digital near filter)) same (digital near filter)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 12:08 |
| L5 | 2 | ("6744832").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/02/05 12:08 |
| L6 | 0 | ("5and7046716").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/02/05 12:09 |
| L7 | 0 | 5 and "7046716" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 12:09 |
| L8 | 2 | "7046716" , | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 12:09 |

| L9 | 0 | 5 and 8 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 12:09 |
|-----|---|--|---|----|-----|------------------|
| L10 | 4 | 5 or 8 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 12:09 |
| L11 | 0 | 10 and teq | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 12:11 |
| L12 | 8 | teq and feq and ofdm and fft and deinterleav\$3 and decod\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 12:12 |
| L13 | 1 | teq and feq and ofdm and fft and deinterleav\$3 and decod\$3 and mimo | US-PGPUB; USPAT; EPO; JPO; DERWENT | OŖ | ON | 2007/02/05 12:12 |
| L14 | 2 | teq and feq and ofdm and fft and deinterleav\$3 and decod\$3 and despread\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 12:41 |
| L15 | 2 | "20020172147" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 12:30 |
| L16 | 2 | "20050097427" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 12:30 |
| L17 | 0 | teq and feq and ofdm and fft and deinterleav\$3 and decod\$3 and despread\$3 and (digital near filter) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 12:44 |
| L18 | 2 | ("6985434").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/02/05 12:44 |
| S1 | 2 | ("7031371").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/01/24 14:43 |
| S2 | 2 | ("6377631").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/01/24 14:57 |

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|-----|-----|---|---|-------------|-----|------------------|
| S3 | 2 | "20030053521" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 14:59 |
| S4 | 2 | ("6744832").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/01/24 15:00 |
| S5 | 3 | ("7002470").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/01/24 15:02 |
| S6 | | ("7091854").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/01/24 15:03 |
| S7 | 1 | ("7133646").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/01/24 15:04 |
| S8 | 2 | ("7046716").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/01/24 15:20 |
| S9 | 423 | ofdm same dsss | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 16:31 |
| S10 | 11 | ofdm same dsss same mimo | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 15:24 |
| S11 | 10 | (ofdm same dsss) and mimo and ifft and encod\$4 and spread\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 15:34 |
| S12 | 16 | ofdma and (base station) and dsss and (antenna neat diversity) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 15:35 |
| S13 | 10 | ofdma and (base near station) and dsss and (antenna neat diversity) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 15:36 |
| S14 | 0 | ofdma and (base near station) and dsss and (antenna near diversity) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 16:15 |

| S15 | 41 | ofdm and (base near station) and dsss and (antenna near diversity) | US-PGPUB; USPAT; | OR | ON | 2007/01/24 16:20 |
|-----|------|--|---|------|-----|------------------|
| | | | EPO; JPO; DERWENT | | | |
| S16 | 85 | ofdm and (base near station) and stc | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 16:21 |
| S17 | 63 | ofdm and (base near station) and stc and mimo | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 16:21 |
| S18 | 5274 | ofdm and (base near station) and stc and mimo ifft | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON. | 2007/01/24 16:22 |
| S19 | 40 | ofdm and (base near station) and stc and mimo and ifft | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR . | ON | 2007/01/24 16:30 |
| S20 | 0 | ofdm and (base near station) and stc and mimo and ifft and dsss | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 16:30 |
| S21 | 0 | ofdm and (base near station) and stc and ifft and dsss | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 16:30 |
| S22 | 543 | ofdm and dsss | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 16:31 |
| S23 | 77 | ofdm and dsss and ifft | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 16:31 |
| S24 | 76 | ofdm and dsss and ifft and (spread\$\$) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 16:31 |
| S25 | 76 | ofdm and dsss and ifft and (spread\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 18:12 |
| S26 | 93 | sudhanshu near pathak | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/02 13:58 |

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| S27 | 0 | (sudhanshu near pathak) and ofdm and stc | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 18:23 |
| S28 | 0 | (sudhanshu near pathak) and ofdm and sttc | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 18:15 |
| S29 | 2 | (sudhanshu near pathak) and ofdm and diversity | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 18:15 |
| S30 | 9 | (sudhanshu near pathak) and ofdm | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 18:24 |
| S31 | 2 | (sudhanshu near pathak) and (space near time) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 18:35 |
| S32 | 34 | ((space near time near diversity) same (transmit\$4)) and ofdm and ifft | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 18:37 |
| S33 | 34 | ((space near time near diversity) same (transmit\$4)) and ofdm and ifft | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/24 18:38 |
| S34 | 26 | ((space near time near diversity) same (transmit\$4)) and ofdm and ifft and spread\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/25 14:55 |
| S35 | 0 | ((space near time near diversity) same (transmit\$4)) and ofdm and ifft and (pn near code) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 09:12 |
| S36 | 0 | ((space near time near diversity) same (transmit\$4)) and ofdm and ifft and (spread\$4 near code) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/25 12:26 |
| S37 | 2 | ((space near time near diversity) and (transmit\$4)) and ofdm and ifft and (spread\$4 near code) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/25 12:26 |
| S38 | 0 | ((direct near sequence near spread near sprectrum) or dsss) same (pn near code) same ofdm | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/25 14:57 |

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|------------------|-------|---|---|----|-----|------------------|
| S39 | 0 | ((direct near sequence near spread near sprectrum) or dsss) same (pn near code) same ((multi near carrier) or subcarriers) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/25 14:57 |
| S40 | 15 | ((direct near sequence near spread near sprectrum) or dsss) same (pn near code) and ofdm | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/25 16:11 |
| S41 | . 2 | ("6985434").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/01/25 16:30 |
| S42 | 2 | ("7095709").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/01/25 16:30 |
| S43 | 2 | ofdm and fft and teq and feq and deinterleav\$4 and decod\$4 and despread\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/25 17:17 |
| S44 | 8 | ofdm and fft and teq and feq and deinterleav\$4 and decod\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/25 17:18 |
| S45 [′] | 15495 | (time near domain near equalizer) and mimo ofdm | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/02 13:59 |
| S46 | 30 | (time near domain near equalizer) and mimo and ofdm | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/02 17:00 |
| S47 | . 2 | ("6985434").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/02/02 17:03 |
| S48 | 0 | dsss and (pn near code) same users same (base near station) and ofdm | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/02 17:04 |
| S49 | 1 | dsss and (pn near code) same (base near station) and ofdm | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/02 17:04 |
| S50 | 3 | dsss and (pn near code) same (users) and ofdm | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/02 17:21 |

| S51 | 2 | ("6985434").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/02/02 17:23 |
|-----|-----|---|---|----|-----|------------------|
| S52 | 2 | ("7095709").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/02/02 17:25 |
| S53 | 546 | filter same even same odd same sequences | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/02 17:26 |
| S54 | 8 | (filter same even same odd same sequences) and ofdm | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/02 17:57 |
| S55 | 426 | ofdm same dsss | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/02 18:27 |
| S56 | . 2 | ("7031371").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/02/05 09:12 |
| S57 | 2 | ("7031371");PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/02/05 09:12 |
| S58 | 0 | S57 and ((base near station) or basestation) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 09:13 |
| S59 | 2 | "6985434" and ((base near station) or basestation) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/02/05 11:52 |